
ELIS Incident Report

Part A: General Information

Incident ID

I026451-001

County: San Diego

Incident Date: ##### through

Year:

State: CA

Total Number: 1

Case #: P-2724

Country: USA

Total Magnitude:

Weather:

Incident Type

☐ Aqua. Animal

☒ Terr. Animal

☐ Field Study

Created: #####

☐ Aqua. Plant

☐ Terr. Plant

Updated: #####

Abstract:

On October 15-16, 2013 a mountain lion (ID no M110) was shot after depredation of livestock in San Diego County, CA but was still alive and mobile on October 25, 2013. After euthanization by gunshot the following day it was delivered to CA Animal Health and Food Safety Laboratory in San Bernardino. The lion was found to be a male in fair nutritional condition and parasites were noted in the intestine and four anticoagulant rodenticides were detected in the liver: brodifacoum at 0.61, bromadiolone at 1.2 ppm, diphacinone at 1.4 ppm, and a trace of difethialone, which indicated non-target exposure.

Reports

Package #	Incident #	Source	Report Date
026451	001	CA Department of Fish and Wildlife WIL	5/20/2014

ELIS Incident Report

Part B: Pesticide Information

I026451-001

County: San Diego

State: CA

Date: #####

Pesticide: Brodifacoum (112701)

Type: R

Use Site:

Product:

Appl. Method:

Appl. Rate:

Formulation:

Air/Ground:

Legality: Undetermined

Certainty: Unlikely

Four anticoagulant rodenticides were detected in the mountain lion's liver: brodifacoum at 0.61 ppm, bromadiolone at 1.2 ppm, diphacinone at 1.4 ppm, and a trace of difethialone, indicating non-target exposure.

Pesticide: Bromadiolone (112001)

Type: R

Use Site:

Product:

Appl. Method:

Appl. Rate:

Formulation:

Air/Ground:

Legality: Undetermined

Certainty: Unlikely

Four anticoagulant rodenticides were detected in the mountain lion's liver: brodifacoum at 0.61 ppm, bromadiolone at 1.2 ppm, diphacinone at 1.4 ppm, and a trace of difethialone, indicating non-target exposure.

Pesticide: Difethialone (128967)

Type: R

Use Site:

Product:

Appl. Method:

Appl. Rate:

Formulation:

Air/Ground:

Legality: Undetermined

Certainty: Unlikely

Four anticoagulant rodenticides were detected in the mountain lion's liver: brodifacoum at 0.61 ppm, bromadiolone at 1.2 ppm, diphacinone at 1.4 ppm, and a trace of difethialone, indicating non-target exposure.

Pesticide: Diphacinone (067701)

Type: R

Use Site:

Product:

Appl. Method:

Appl. Rate:

Formulation:

Air/Ground:

Legality: Undetermined

Certainty: Unlikely

Four anticoagulant rodenticides were detected in the mountain lion's liver: brodifacoum at 0.61 ppm, bromadiolone at 1.2 ppm, diphacinone at 1.4 ppm, and a trace of difethialone, indicating non-target exposure.

ELIS Incident Report

Part C: Species Information

I026451-001

County: San Diego

State: CA

Date: #####

1

Species: Mountain lion

Response: Mortality

Sci. Name: Felis concolor

Magnitude: 1

Taxon: Mammal

Habitat:

Age:

Distance:

Rt. of Exposure:

Necropsy

Number:

Condition:

Cholinesterase

Number:

Activity: um/g/min
Percent of Normal

Tissue Residues

Sample Type	PC Code	Pesticide	N	Conc. (ppm)
Liver	067701	Diphacinone	1	1.4
Liver	067701	Diphacinone	1	Trace
Liver	112701	Brodifacoum	1	0.61
Liver	112001	Bromadiolone	1	1.2

ELIS Incident Report

Part D: Environmental Measurements

County:

State:

Date:

Common Name

PC Code

Degredate

Concentrations
in ppb

Water

Soil

Sediment

Foliage

Min.

Max.

N

LOD

Other Samples

Description

Concentration

N

LOD

Dissolved Oxygen (ppm)

to

pH

to
